

ALASKA DEPARTMENT OF FISH AND GAME

DIVISION OF SPORT FISH

LAKE SURVEY SUMMARY

115-32-10250-2047-3001-0010

LAKE Chilkat Lake

1:63,360

MAP REF. Skagway B-3 Alaska T 29 S R 56 E S 14 LAT. 59° 22' N LONG. 135° 56' W

LOC. 3 miles SSW of Klukwan, near Haines, Alaska SURF. ELEV. 175' (Approx.)

1. SURF. ACRES 2,491 (DOT Est.) MAX. DEPTH 185' AVG. DEPTH _____ ACRE FT. _____
SHOAL AREA Concentrated on _____ WATER COLOR _____ SECCHI READING _____
AQUATIC VEGETATION Very abundant higher plants on NW-SE shores of lake; submergent and emergent vegetation both present. Not identified - water lilly, emergent grasses seen
2. FISH SPECIES: NATIVE Ct, DV, RS, SS, Whitefish, Stickleback INTRODUCED None
3. FISHING HISTORY Reported to be the best Ct fishing in the Haines area. Fish 18-20 inches are relatively common. Average size reported to be near 16 inches. DV fishing is excellent through ice in winter but Ct are poor then.
4. INVERTEBRATES Aquatic
5. INLETS 7 major inlets were noted on map DISCHARGE _____ cfs
Due to rough lake conditions, survey was limited to lake - supplementary sheet will be used to DISCHARGE _____ cfs
BARRIERS amend this later DISCHARGE _____ cfs
6. OUTLETS one - Colon Creek Estimated DISCHARGE 20-30 cfs
20-30 CFS DISCHARGE _____ cfs
BARRIERS None
7. SPAWNING AREAS None noted during this survey - Commercial Fish Division should have a good idea on this. Later observation will be put on supplementary sheet.
8. WATERSHED TYPE Land on SW side of lake is steep mtns. DRAINAGE AREA 38 square miles ACRES
Land on NE side is rolling hills surrounded by heavy spruce forest. Also alder and
9. ACCESSIBILITY Accessible by river boat (jet or air), wheel plane or float plane. cottonwood.
10. ACCESS STATUS Public; there are many private summer cabins in choice locations along shore.
11. USE SITE One private hunting and fishing Lodge ~~rooms~~ for public rental. Mostly private use.
12. OTHER USE Comm fisheries red salmon counting weir on outlet.
13. POLLUTION none noted
14. REMARKS Acres and Elev. from Tom Wade - State Div. of Lands - HNS.
Depth, drainage, discharge from USFWS-River Basin Progress Report II-1961.
Weather - cloudy - windy - rough water. Chilkat River Basin Study - USFWS 1959-61 should be consulted for comparisons and additional info.
Water quality analysis was done for dissolved O₂ and Ph, water taken at beginning of lake outlet. Readings were: D.O. 12 mg/l; Ph of 8. Water temp. was 61° F.
A gill net - minnow trap, fish sampling summary was conducted. Attached supplementary sheet shows map of work done.

BY Richard A. Furniss

DATE July 16, 1972

8/14/52

Chilkat Lake

Approx 59° 20' N. Lat 138° 55' W. Long.

3000 acres

- 1 Lake type is glacier country lake, clear, against mountain
- 2 Elevation 25 ft approx
- 3 Surrounding cover is some timber, birch, cottonwood, alder, willow
- 4 Flow Through the lake Max 1200 ft³/sec, Min 35 ft³/sec, Norm. 100 ft³/sec
- 5 Outlet length is approx. 2 miles. Slough-like - no riffles
- 6 No barrier other than Klokini + Chilkat river mud.
- 7 Inlets - all from the mountains and is snow run off.
- 8 Water Temp. Surface 63°F
- 9 Oxygen Content -
- 10 Ph factor -
- 11 Fish are spawning in lake inlets, none in outlet.
- 12 Species in lake - Cutthroat, sticklebacks, Sockeye, Pinks
Chum, Coho, occasional King
- 13 Planting Record - none
- 14 Food organisms visible - sticklebacks, insects & larvae
- 15 Age groups present -
- 16 Parasites & diseases noted - only intestinal & ectoparasitic worms
- 17 Stomach contents - entirely sticklebacks
- 18 Remarks - Chilkat lake is 8 mi by air from Haines. There is no established trail to it nor shelter after one gets there. One has to cross the Chilkat R which is quite a barrier for boats. It is 3 mi. from the Chilkat R. to the lake. Dean Goodwin has a fish camp on one of the islands in the lake. Fly-in-dead.